

CLAIMS

1. A device for the flow-through treatment of textile materials, formed fabrics or paper by means of a gaseous or liquid treatment medium being circulated in the device, with a perforated cylinder (5) that is provided with bottoms (11, 12) on the faces and the interior of which is subjected to suction, wherein said cylinder serves as a transport element and its periphery is covered with a wire gauze (9), wherein unbend sheet metal strips (10) are arranged between the bottoms (11, 12) of the cylinder (5) such that they extend in a straight fashion from one bottom (11) to the other bottom (12) and their width extends in the radial direction, wherein connecting elements (20) are arranged between the sheet metal strips (10) and uniformly distributed over the length of the cylinder (5), wherein said connecting elements have a width that corresponds to the nominal distance between two directly adjacent sheet metal strips (10) and are rigidly connected to the adjacent sheet metal strips (10), and wherein the respective connecting element (20) is realized in a web-shaped fashion, provided with at least one bore in the peripheral direction of the cylinder (5) in order to accommodate at least one screw (29, 29'; 30, 30') and/or a similar threaded fastening element, and can be connected to the two adjacent sheet metal strips (10) or connecting elements (20), characterized in that the connecting element (20'') is realized in a flowpromoting fashion over at least part of its radial length.
2. The device according to Claim 1, characterized in that the radially outer flanks of the connecting element (20'') are realized in the shape of an arrow (34).

3. The device according to Claim 1 or 2, characterized in that the radially inner flanks of the connecting element (20'') are realized in the shape of an arrow (35).
4. The device according to one of Claims 1-3 with a radially outer and a radially inner bore for respectively accommodating a screw, characterized in that the connecting element (20'') has the same width between the screw holes as at the height of the bores (34, 35).
5. The device according to Claim 4, characterized in that the connecting element (20'') is provided with a hollow chamber (36) that extends parallel to the bores (34, 35) at the height between the bores (34, 35).
6. The device according to Claim 5, characterized in that the connecting element (20'') is provided with a wall (37, 38) that is only sufficient for the stability of the connecting element (20'') at the height of the hollow chamber.
7. The device according to Claim 6, characterized in that the walls (37, 38) provided to both sides of the hollow chamber (36) extend parallel to one another.
8. The device according to one of the preceding claims, characterized in that the connecting element merely consists of a sheet metal that is bent in the shape of an arrow and encompasses the two screws (29, 30) or their parts in a covering fashion.